

REACH

A publication of the U.S. Department of Energy for all Hanford Site employees



HIGH-LEVEL VISIT: Deputy Secretary of Energy T.J. Glauthier, left, and DOE senior policy advisor Merna Hurd, second from left, get a guided tour of Hanford's historic B Reactor from Gene Weisskopf (right) and Roger Rohrbacher (center, foreground) of the B Reactor Museum Association. Accompanying the DOE Headquarters officials is Keith Klein, second from right, manager of the DOE Richland Operations Office. Glauthier was sworn in as deputy secretary in March of 1999, and the visit was his first to Hanford as a DOE official. He also met with Washington Governor Gary Locke and Attorney General Christine Gregoire to discuss Hanford issues.



00040116-116

ORP reviewing tank waste treatment proposals

Today, the Office of River Protection begins its review of approximately 25,000 pages of engineering, design and cost information submitted by BNFL Inc. on the proposed tank waste treatment facilities at Hanford. This proposal is the culmination of nearly 20 months of work by the team of BNFL Inc., Bechtel National, Inc., GTS Duratek and Science Applications International Corporation. The project began when the Department of Energy signed a privatization contract with BNFL Inc. in August of 1998.

Along with BNFL Inc.'s proposal, CH2M HILL Hanford Group, Inc. will deliver its proposal for infrastructure improvements and waste delivery systems for the treatment facilities. The CHG proposal documents are expected to total several thousand pages.

Continued on page 2.

ORP reviewing tank waste treatment proposals, cont.

Participating in this review effort are 14 review teams consisting of 50 to 70 reviewers for the BNFL Inc. proposal and 10 to 20 reviewers for the CHG proposal. Review teams are staffed by local and national experts in the fields of technology and facility design, business and finance, cost and scheduling, contract management and regulatory and environmental compliance. Reviews of the proposals are to be completed by late May. By June 24, ORP must notify BNFL Inc. whether or not to proceed with securing private project financing.

Estimate high



The purpose of the privatization contract signed with BNFL Inc. in 1998 was to shift some risks to the contractor to improve accountability and performance. Under the current contract, the privatization contractor is not paid until it provides a service. DOE makes payments only when the contractor delivers glassified waste that meets specific criteria. The private contractor is responsible for completing the design, permitting, financing, constructing and operating the facility.

In mid-April, BNFL Inc.'s cost estimate for designing, constructing and operating the waste treatment facilities reportedly rose from \$6.9 billion to \$13 billion. BNFL Inc. is expected to offer options for reducing the cost of the project in its proposal delivered to ORP today.

If ORP's review of the BNFL Inc. proposal concludes that an alternative to the current contracting mechanism or contractor is warranted, it may consider implementing an alternative path.

Alternatives considered for treating Hanford's tank wastes are presented in the Hanford Tank Waste Treatment Alternatives Report, available on the ORP Web site at <http://www.hanford.gov/orp/pdf/DOE-ORP-2000-04.pdf>. ♦

See timeline, page 3



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See the *Hanford Reach* on the Web at:
www.Hanford.gov/reach/index.html

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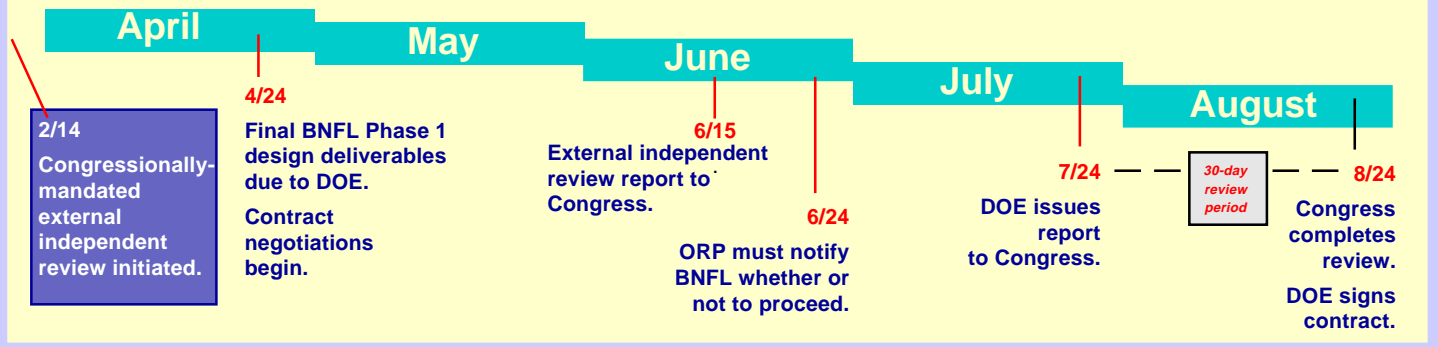
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Oops!

Phone number correction

The phone number for the Department of Energy Workers' Compensation Helpline published in the article, "DOE to compensate thousands of sick workers," *Hanford Reach*, April 17, was incorrect. The correct (toll-free) phone number is 1-877-447-9756. This number is effective May 1. ♦

Countdown to BNFL Contract Decision



Lawrence resigns from BNFL Inc. leadership



Lawrence

Mike Lawrence, the former DOE Hanford manager who for the past year has led the BNFL Inc. project to design a proposed tank waste vitrification facility at Hanford, has resigned effective May 5. His resignation was contained in a letter to BNFL Inc. President Paul Miskimin at the company's Virginia headquarters.

Last November, the company reassigned responsibilities shared by Lawrence as general manager and Maurice Bullock, a company vice president. Bullock was given the responsibility for design and finance, while Lawrence was to deal with the Department of Energy and Hanford stakeholders.

Lawrence was reported to be unsatisfied with his role as "point man" for a project he didn't fully control. In a message to BNFL Inc. employees, he wrote, "Recent events put me in the position of having to explain and defend actions both before I came to the project and since November for which I did not have responsibility or authority." ♦

NEW TECHNOLOGY FOR REPRODUCTION

SERVICES: Operators (from left) Boni Lamm, Hazel Daniels and Manny Martinez listen intently as Sherri Armijo, right, of Abadan in Richland explains a new technology her company is supplying to Reproduction Services. Anhydrous ammonia has been used in "blueline" machines for 25 years, and the ammonia was released directly into the environment. But, because ammonia is a hazardous substance to people and the environment, DynCorp Tri-Cities Services' Reproduction Services has replaced its blueline machines with new electronic "blackline" technology. The new machine also saves about \$5,000 a year and lowers the customer's cost to 25 cents per square foot of drawing or document. Blue paper will also be stocked for customers who prefer a blue background. If you have questions, call 376-6974.



Fluor Hanford invests \$50,000 for Tri-Cities economic transition

Fluor Hanford has announced a \$50,000 gift to the Tri-Cities Visitor and Convention Bureau to sponsor a sales and marketing program for attracting convention and tourist business to the area. The partnership announced last Monday will focus attention on tourism as an economic diversification tool.

As a result of Fluor Hanford's investment, the Visitor and Convention Bureau will add staff members who will focus on large, multi-city convention business and will actively recruit additional off-season and "shoulder-season" meetings in the Tri-Cities.

"This partnership is extremely important to our destination marketing efforts," said Bureau President Kris Watkins. "Because of this, the Bureau is going to be able to bring new conventions, meetings and group activities into the Tri-Cities. It's a fact that every dollar spent on tourism promotion returns \$25 to the community. That's a significant return on investment — and that's what Fluor's partnership is going to allow us to do for the Tri-Cities."

Fluor Hanford "is to be commended for taking a leadership role in economic development," said Robin Pollard, director of the Washington State Division of Tourism. "The partnership they are announcing today will serve as a shining example of the common good that comes when corporate America looks beyond the boardroom to the communities in which they are present." ♦

Report highlights Hanford technology deployments

Technologies that do everything from retrieving K Basins fuel to cleaning up contaminated groundwater are featured in the recently completed *FY 1999 Hanford Technology Deployment Accomplishments* report. The report highlights 23 technologies that were either deployed or demonstrated last year at Hanford.

The purpose of the publication is to draw attention to Hanford's technology accomplishments, share information with other Department of Energy locations and update stakeholders on technology progress as it pertains to cleanup activities.

The annual report, now in its second year, is coordinated through DOE Richland's Office of the Assistant Manager for Science and Technology, or AMT.

"This report provides detailed information about technology accomplishments at Hanford and allows us to measure the progress of



Sherry Foreman and Dennis Brown scan the *Hanford Technology Deployment Accomplishments* report, which is available in booklet form and electronically.

Continued on page 5.

Report highlights Hanford technology deployments, cont.

deployments on the site,” said AMT project manager Dennis Brown. The document, he explains, addresses technologies deployed and demonstrated primarily by companies of the Fluor Hanford team and by Bechtel Hanford, but he adds that some of the technologies have resulted from research initially conducted at Pacific Northwest National Laboratory.

Certain other technologies were developed in concert with vendors, which, he says, shows that Hanford is tapping a wide range of resources for cleanup solutions.

The report’s format is unique in that it is a series of individual technology fact sheets assembled into a single document. Sherry Foreman, an engineering administrator with Fluor Hanford, worked with Brown to edit and create the final product.

“I think the individual project groups [that deployed or demonstrated technologies] feel a real sense of pride about this document,” Foreman said. “This report not only highlights accomplishments, but serves as a resource for folks at other DOE sites — perhaps even Hanford — who are seeking solutions to tough problems, but may not be aware of the existence of technologies that may have applications for their work.”

Copies of the report are being mailed to a wide range of audiences, including DOE Headquarters staff, members of Congress, state and tribal representatives and other stakeholders.

In addition, copies are available at the DOE Reading Room in the Consolidated Information Center on the WSU Tri-Cities campus. And an electronic version of the document is available online at <http://www.hanford.gov/techmgmt/99accomplish/index.html>.

For more information, contact Dennis Brown at 372-4030. ♦



NEW INSP LEADER: Dr. James Turner (second from right) visited Pacific Northwest National Laboratory on April 13. Turner, the newly named assistant deputy administrator of the Department of Energy’s Office of International Nuclear Safety and Cooperation, visited the laboratory for an update on the International Nuclear Safety Program. He is pictured meeting with (from right) Paul Kruger, DOE-RL assistant manager for Science and Technology; Debbie Trader, director of the Science and Technology Programs Division; and Jim Fuller and Jim Wiborg of PNNL’s National Security Division.

Former KGB spy to brief Hanford on espionage

Former KGB Major General Oleg Kalugin says Russia's counterintelligence not only is alive, but is thriving. Unlike 40 years ago, today the struggling country is focusing on *economic* espionage with an emphasis on science and technology.

Kalugin is visiting the Pacific Northwest National Laboratory April 25 through 27 on behalf of the lab's Office of Counterintelligence. Kalugin's presentations will provide a glimpse of the inner workings of the KGB and its predecessor agency, the SVR.

Subject to management approval, Kalugin's presentation on Tuesday, April 25, at 2 p.m. in the Battelle auditorium is open to all employees of the Fluor Hanford project team and the River Protection Project. Reservations are requested, as seating is limited. Call or send your reservation request to Bernadine Nelson of Protection Technology Hanford at 376-4041.

A session for employees of the Department of Energy Richland Operations Office and the DOE Office of River Protection will be held Thursday, April 27, at 2 p.m. in the Federal Building Auditorium, on a first-come, first-served basis.

Now working as a consultant, Kalugin briefs public and private organizations on how to avoid becoming a target, the importance of awareness of counterintelligence efforts made by other countries, and security precautions to take while traveling overseas. With 32 years of experience in recruiting some of the most notorious spies, no one questions Kalugin's "intelligence."

"We are bringing Kalugin here as part of our awareness and outreach efforts," explained Jack Slicks, who manages the counterintelligence program at PNNL. "Scientific exchanges between the former Soviet Union and the U.S. provide tremendous benefits, but staff also need to be aware that [Russia] still poses a threat to the U.S. economy and military."

Posing as a student and later a journalist, Kalugin quickly built a network of contacts and conducted espionage operations. His successes in counterintelligence allowed him to advance quickly and become the youngest general in the history of the KGB. His father was a member of Stalin's secret service.

For more information about Kalugin's presentations, contact Greg Curtis at 376-5550 or Bernadine Nelson at 376-4041. ♦



Kalugin



WOULD YOU LIKE CREAM? Plutonium Finishing Plant employees raised nearly \$500 for the March of Dimes in their first fundraiser Feb. 24 — a "potato feed and pie throw" event. Getting a pie pushed in his face is Rich Redekopp, manager of the Solutions/Residues Stabilization Project. Doing the pushing is Mike Palmieri, PFP instrument technician. See page 20 in today's *Reach* for more information and a route map for the April 29 March of Dimes WalkAmerica.

Environmental Management Advisory Board visits Hanford

On March 8 and 9, the Worker Health and Safety Committee and the Contracting and Management Committee of the Environmental Management Advisory Board, or EMAB, visited Hanford for a first-hand look at contracting practices and the implementation of the Integrated Environment, Safety and Health Management System.

The EMAB, which has six committees, is charged with providing advice and recommendations on a broad range of issues to the Department of Energy's assistant secretary for Environmental Management. The board and its committees comprise representatives of the tribal nations, state and local governments, environmental and citizen groups, labor organizations, industry and the scientific and academic fields.

Focus on ISMS

The March visit to Hanford was the result of a request by Carolyn Huntoon, DOE assistant secretary for Environmental Management, that the EMAB evaluate ISMS implementation, including the flow-down of ISMS to subcontractors. The Health and Safety Committee is generally in charge of making recommendations on worker and community health and safety issues including risks to workers, the public and the environment.

The EMAB Contracting and Management Committee gathered information on project management and contracting practices at Hanford with emphasis on ISMS implementation. The committee provides advice to the assistant secretary for EM on contracting and management initiatives, training policies and processes, organizational management, contract structures and incentives, site completion and closure activities, and programmatic risk.

The EMAB representatives met with employees of the DOE Richland Operations Office, the Office of River Protection, Fluor Hanford, CH2M HILL Hanford Group and Bechtel Hanford, as well as union representatives, to get an understanding of the status of ISMS implementation at Hanford. There were presentations by DOE and contractor personnel, roundtable discussions with workers and union personnel, and tours of the Plutonium Finishing Plant and Building 324.

Many successes

In a letter to Hanford Manager Keith Klein after the visit, James Melillo, executive director of the EMAB, characterized the trip as a great success. The representatives provided preliminary observations — many of them positive, but others that focused on needed changes.

Included were these observations:

- One of the representatives who had visited Hanford several years ago noticed a major improvement in the safety culture of the workers as well as management since his previous visit. However, more work is needed to get everyone involved.
- There was a positive sense from the workers that the DOE leadership is having a positive impact on the site's safety culture.
- Hanford understood and had a good start in implementing ISMS. The board also observed that Hanford was doing a good job of incorporating ISMS in subcontracts, but found safety at this level needing improvement.
- DOE-RL management has a clear recognition — not found at other sites — that federal officials manage the contract and the contractors execute the work, and ultimately it is their employees who have direct line responsibility for safety.
- Roles and responsibilities need to be clarified and policies and procedures need to be streamlined. ♦

RCP designs 'one-stop-shopping' information Web site



River Corridor Project employees are now able to log onto the Intranet for information that helps them do their jobs more safely and efficiently. This is a first-of-its-kind Web site that shows the relationship of the Integrated Environment, Safety and Health Management System, or ISMS, the Criteria and Review Approach Documents (CRADS) and procedures. The site also provides information such as organization charts.

The project recognized a need for employees to understand how procedures and work processes relate to ISMS, and how the whole system works together. A team was formed last November to begin pulling all the pieces together. The original source database was quite large, so the process was kept simple by extracting only what was needed.

The site is much more than just a list of procedures. It is a user-friendly tool with drop-down menus and links to make navigation between databases easy. The hub of the site is the River Corridor Project ISMS description. A "crosswalk" between ISMS and CRADS helps to show the relationship. The question, "What applies to me?" becomes clearer as the site is explored.

The ultimate goal is for an end user to learn all about RCP, find the detail needed for his or her work, do a surveillance, find out what procedures apply to which facilities, or learn how to support ISMS.

Authorization agreements and envelopes will also be available, along with each group's organization chart. A matrix shows which procedure belongs to which facility, and also relates procedures to the core functions of ISMS. The capabilities and information this site offers should prove valuable to the ISMS Review Team during verification.

The structure of the Web site was designed by RCP personnel, with Lockheed Martin Services providing the programming expertise.

The Web address is <http://apweb02.rl.gov/rcpdol/index.cfm>, or you can access the site from the Hanford Intranet home page. Go to "PHMC," then "Management Systems," "Project Hanford Management System (docs on line)," then "Related Links" and "River Corridor Project." The "Home" button at the top of the page provides a drop-down menu for your choices. ♦



PIZZA FOR HEALTHY BABIES:

Bechtel Hanford employees are heading for the finish line in their annual efforts to support the March of Dimes. March of Dimes team captain Ray Moses serves pizza to fellow employee Traci Pomrankey during BHI's PizzaRama fund-raiser on April 12.

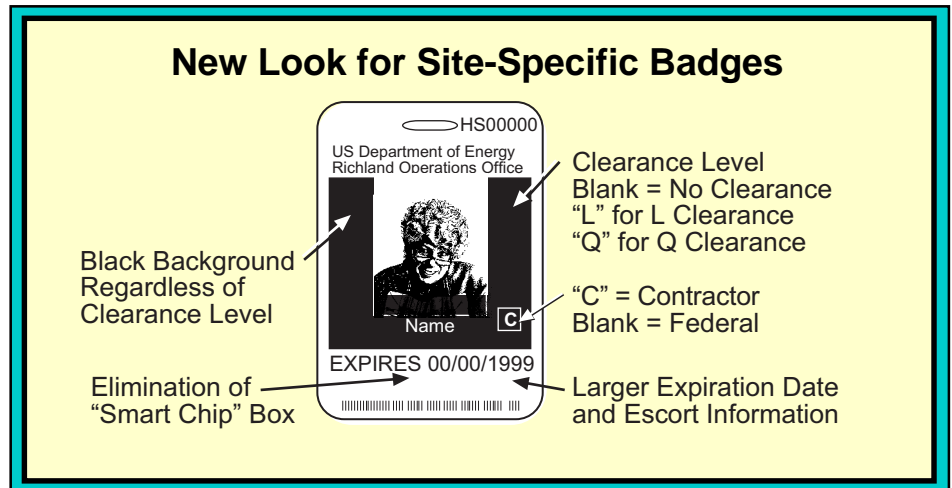
Rebadging of all Hanford Site employees has begun

Have you gotten your new badge yet? Rebadging of all Hanford Site employees began on April 3. Department of Energy badges with green backgrounds need to be replaced with the DOE standard badge.

You can have a new badge made at the Central Badging Office located in Building 3790 in the 300 Area, or at the Visitor Control office located in the lobby of the Federal Building at 825 Jadwin. Both locations are open from 7 a.m. to 4:30 p.m. Monday through Thursday, and 7 a.m. to 3:30 p.m. on Fridays.

For your convenience, a temporary mobile rebadging station has been set up. For the month of April the temporary station will be located in room A130 of the 2750-E Building in the 200 East Area. In May, the temporary station will move to the 200 West Area and in June it will move to the 100K Area. The locations for the temporary badging office will be announced in the *Hanford Reach*.

Getting your new badge will only take a few minutes, so don't delay. A new photo will be taken, and a new badge printed and exchanged for the old badge. For more information, visit the Intranet Web site on badging at http://www.rl.gov/sas/pg3_psec/pg37/pg37newbadge.htm, or contact Larry Wonch at 376-3912. ♦



Relay for Life teams forming

Hanford teams are now forming for the American Cancer Society's Relay for Life 2000, to be held May 19 and 20 at the Southridge High School track in south Kennewick.

Team coordinators include:

Fluor Hanford: Cheri Nansen, 372-2572, Michele Gerber, 376-1475

ORP: Mig Owens, 376-4751

CH2M HILL Hanford Group: Ace Etheridge, 372-8058

CH2M HILL Hanford, Inc.: Jennifer Ollero, 372-9570

DE&S Hanford: Paul Viggiano, 375-9714

You may join a team or volunteer to serve as a team captain and form your own team of friends or co-workers.

The Tri-Cities Relay for Life is part of a nationwide fund-raising campaign to fight cancer. Team members solicit donations and walk or run in a continuous relay for a 24-hour period. You can sign up for the hours you wish to walk during that 24-hour period, and you'll earn a Relay for Life shirt for your participation.

The American Cancer Society contributes more money to cancer research than any organization except the federal

government, and it has one of the best ratios of dollars raised to dollars spent in direct support of research and patient support.

After the March of Dimes WalkAmerica is over at the end of this month, dust off those running shoes one more time and help the American Cancer Society stamp out this dread disease. ♦

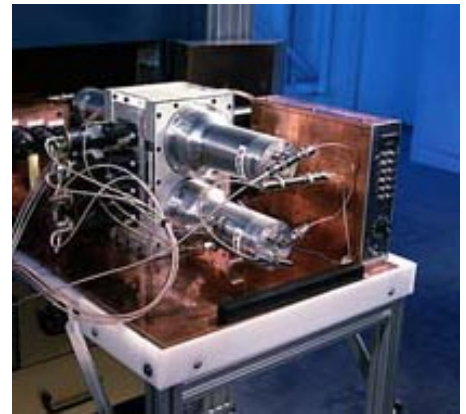
PNNL nuclear weapons detection device tested

Performing for an international audience was all in a day's work for a nuclear detection device developed here and tested in Freiburg, Germany. The device debuted in October for its first international demonstration and proved it could measure short-lived isotopes produced by underground nuclear testing.

The device known as ARSA, the Automated Radioxenon Sampler/Analyzer, was developed by Pacific Northwest National Laboratory scientists to collect, purify and measure the fission product xenon, a tell-tale sign of an underground nuclear detonation.

In Freiburg, ARSA detected a short-lived radioactive isotope called xenon-135 that was produced by European nuclear power plants and also is emitted during underground nuclear tests.

When completely developed in early 2001, ARSA will be licensed to a commercial company that will sell it to countries attempting to fulfill radionuclide monitoring duties under the Comprehensive Nuclear Test Ban Treaty. ♦



A beta-coincidence spectrometer is an integral player in detecting evidence of underground nuclear explosions using the Automated Radioxenon Sampler/Analyzer.

Hanford helps in SELLing DOE lessons learned at conference

"Lessons Learned - The Path Forward" was the theme for the spring workshop of the DOE Society for Effective Lessons Learned Sharing (SELLS) held April 5 and 6 at Preservation Park in Oakland, Calif. Workshop discussions focused on defining the path forward in implementing management expectations identified in the revised DOE Standard, The DOE Corporate Lessons Learned Program, (DOE-STD-7501-99).

Lessons Learned Program managers and coordinators from across the DOE complex shared information on recent Lessons Learned Program initiatives and Integrated Safety Management System (ISMS) verifications at their sites. Stan Branch of the DOE-RL Analysis and Evaluation Division and John Bickford, Lessons Learned coordinator for the Fluor Hanford team, represented Hanford at the workshop. Bickford, co-chair of SELLS, played a key role in arranging the meeting.

For the first time, representatives of federal agencies and private industry outside DOE were invited to attend the meeting to discuss their Lessons Learned Programs. Some of the organizations in attendance were J. M. Huber Corporation; the Navy Center for Applied Research in Artificial Intelligence, Naval Research Laboratory; Port of Seattle, Seattle-Tacoma International Airport; Chevron Corporation; and Booz-Allen & Hamilton, Inc. Representatives from the Department of Transportation and the Defense Nuclear Facilities Safety Board also attended. ♦

Safety Analysis Reports approved for SNF Project

Michele Gerber, FH

Four major safety documents for the Spent Nuclear Fuel Project have received approval from Keith Klein, manager of the Department of Energy Richland Operations Office, thus paving the way for important work in the project's "path forward." DOE-RL issued Safety Evaluation Reports providing acceptance for more than 4,000 pages of Final Safety Analysis Reports, or FSARs, developed by Fluor Hanford and its sub-contractors for the major SNF Project facilities and activities.

The newly approved documents cover the Canister Storage Building, the Cold Vacuum Drying Facility, a Topical Safety Report for the Multi-Canister Overpacks (MCOs), the project FSAR and a key revision of the Safety Analysis Report for packaging and cask-handling activities.

These documents include cross-cutting requirements for all steps, facilities and equipment in the SNF Project, including criticality management requirements, ALARA exposure-control programs and other components of the Integrated Environment, Safety and Health Management System at Hanford.

Additionally, DOE-RL issued a Safety Evaluation Report in February approving a smaller FSAR covering the storage of Fast Flux Test Facility spent fuel in dry storage on a pad known as the Interim Storage Area just outside of the CSB.

Recent approvals of SNF Project safety documents by DOE-RL also have included acceptance of Revision 3L to the K Basins SAR last fall, allowing testing of the Fuel Retrieval System and the Integrated Water Treatment System in the K West Basin. Together, completion of these safety documents represents more than 200 person-years of effort in terms of writing, calculations and supporting analysis. The FSARs and the Topical MCO SAR are supported by another approximately 15,000 pages of calculations and accident analyses.

New approach

Last summer, DOE-RL commissioned a joint DOE-contractor Process Improvement Team to examine the SNF Project and suggest improvements. One of the team's recommendations concerned streamlining the safety documentation process by creating more joint participation in the entire process. Consequently, a dedicated DOE and contractor SAR team worked on identifying and resolving safety issues together.

Sandy Johnson, assistant manager for DOE-RL Safety and Engineering, came to Hanford from the Savannah River Site last fall. She has played a pivotal role in the completion of SNF Project safety documentation.

"At RL," Johnson said, "we definitely wanted to tailor the requirements in SNF project safety documentation to include the right requirements to mitigate the hazards and assure that facilities operate safely, but we did not want to pay for a 'Cadillac.' In other words, we wanted to give the

Continued on page 12

Safety Analysis Reports approved for SNF Project, cont.

project and the operators the tools they needed to work safely as quickly as possible. To do this, we produced safety documentation geared to the hazards and the work, but with a more realistic level of conservatism.”

Johnson pointed out that the SNF safety documents have been praised by DOE’s SNF Independent Review Panel as being “very professional...[and] among the best seen to date.”

Bill Miller, Fluor Hanford engineering manager for the SNF Project, recalls that the DOE-RL and contractor people writing the safety documentation worked long hours throughout the summer, fall and winter to produce the huge documents and to make sure they would contain the information DOE needed and wanted.

“We worked back and forth in an iterative process,” Miller said. “As we wrote each section, RL reviewed it soon after it was written. That way, we captured comments right away and immediately incorporated the lessons and thoughts into subsequent chapters. As a result, RL was able to sign these documents very quickly once they were finished, because we worked in parallel while developing them. The level of cooperation between RL and the contractors developing the documents is the real success story here.”

Miller also pointed out that completion of the safety documentation represents a major step forward because all of the SNF Project’s training classes and procedures are based on the documents. Thus, a set of steps crucial to the project’s transition to operations can begin. SNF Project nuclear process operators, shift supervisors, maintenance personnel, health physics technicians and others must be trained and work to a set of procedures and conditions never encountered anywhere before.

Rick Boyleston, Fluor Hanford manager of Nuclear Safety, headed a staff of nearly 50 people who worked full-time on SNF safety analyses for the past three years. The new safety documents “provide the SNF Project with a documented basis for defining potential accidents and the safety controls that will protect the public, workers and the environment from those accidents,” Boyleston said. “These documents are crucial cornerstones in the overall SNF Project Authorization Basis.”

The Authorization Basis is that set of documents, including the FSARs, SERs and Technical Safety Reports, that defines the envelope of safe operations for the project.

First of its kind

The K Basins are the current storage location for 2,300 tons of irradiated uranium fuel assemblies in a wet state. Because many unique fuel-retrieval, sorting, cleaning, and water-treatment activities need to take place in the basins, important additions were necessary to the older K Basins safety documentation that had been written for fuel storage.



00040083-7

On the platform, Mike Downing, left, and Brad Barton guide a spent fuel shipping cask out of the immersion pail mock-up in a recent demonstration of safe work practices. Jim Smith, not visible behind the cask, and crane operator Jim Marchand also participated in the highly successful demonstration.



00040083-29

SNF cask loadout system sub-project manager Joni Weamer, center, and lead engineer Len Rodgers, left, explain the immersion pail system that will surround shipping casks and MCOs loaded with fuel to *Tri-City Herald* reporter John Stang.

Continued on page 13

The Cold Vacuum Drying Facility will be the location of a first-of-its-kind nuclear process that will dry the fuel being removed from the K Basins. The specially designed MCOs will contain the fuel as it moves out of the basins, through the drying process and into interim storage. Therefore, new technical safety documentation was needed for CVD operations and MCO handling.

The CSB will provide interim storage of the dried spent fuel inside steel tubes in a 40-foot-deep concrete vault beneath the facility for as long as 40 years or until a national repository can receive it. The CSB will also house receipt, inspection and pressure-testing functions for the fuel as it arrives inside casks and MCOs, and as the MCOs are placed into the storage tubes. ♦

New technical qualifications program implemented cafeteria-style

Approval of the Spent Nuclear Fuel Final Project Safety Analysis Reports paves the way for many procedures and training programs to be fully implemented. Design authorities and cognizant engineers, or DAs and CEs, within the project need to become qualified on a variety of requirements and systems. This past year, an engineering team led by Jim Thomson began designing a cafeteria-style qualifications program for these engineers.

If every design authority, cognizant engineer and associated support person had to qualify on every system and procedure, the team realized, the qualifications process would be too time-consuming and expensive.

The team developed an implementation matrix wherein each DA and CE would study and become qualified only on the systems, processes and requirements needed to do his or her particular job. This spring, about a third of the 190 people scheduled to participate in this tailor-made program will complete their qualifications.

To qualify, it takes each person an average of 20 hours of training, including on-the-job familiarization packages developed especially for online application in the SNF Project. Additional time is required for the DAs and CEs.

Candidates are certified by mentors within the engineering organization on one or more of 19 qualification packages. Each package links directly to SNF Project procedures or technical basis documents. SNF Chief Engineer Bill Miller completes the process by approving the final certification of each candidate for each qualification package.

Surplus Hanford rails help Finley business expand

By reusing excess Department of Energy rails from the former Hanford Railroad, a local business will be able to expand its operations and add at least 10 new jobs.

Through some innovation and teamwork, contractors Fluor Hanford, Bechtel Hanford and DynCorp Tri-Cities Services, in conjunction with DOE and the Tri-City Industrial Development Council, were able to donate approximately 1,500 feet of rail to Gunderson Northwest of Finley, which refurbishes and repairs railroad cars.

Gunderson is constructing a new rail spur which will allow the company to increase the number of rail cars it can repair. Gunderson Project Manager Mike Curtis said that, in addition to increasing the capacity and rate of repair, the use of the Hanford rails will solidify a commitment of \$25,000 from Gunderson's senior management to expand the 40-acre Finley facility. "This donation gave our management the confidence to expand," he said. "It's a big deal for us."



00040079-23

Saved from scrap

The rail may have been headed for the scrap heap had it not been for Bechtel Hanford personnel working on waste site remediation under the ground where the tracks were located in the 300 Area.

"Because of the project work, we had to pull up the tracks, which had long since been retired from service — but we didn't want to just toss them," said Richard Carlson, an engineer with Bechtel Hanford. "The economic transition program was able to facilitate a great deal for a local company, so we're pretty glad we contacted them about the rail. It makes you feel good to know that we've helped the local economy and saved the taxpayers money at the same time."



00040079-9

Gunderson Northwest and Fluor Federal Services employees prepare and load excess 300 Area rails for reuse at Gunderson's Finley plant.

Helped before

Michael Minette, project manager for Fluor Hanford Economic Transition, said this transfer of surplus assets is the second significant "helping hand" that Gunderson has received from Hanford through the Fluor Hanford Economic Transition team. "The 60-ton crane from N Reactor has already created 23 jobs at Gunderson," said Minette. "This rail transfer confirms DOE's, Bechtel's and Fluor's commitment to helping Tri-Cities businesses grow." ♦

Create a fire-safe environment both at home and at work

Martha Rice
DynCorp Tri-Cities Services
Hanford Fire Department

Spring has sprung! The gloom and dreariness of winter is fast becoming a memory, and many of us are busy with spring cleaning projects. This is the time of year we begin to cook outdoors, gas up our mowers and trimmers and start those outdoor projects.

Some of these activities might involve gasoline, paint thinners and flammable materials. Think about the increased danger of such products as you use them. Treat flammable liquids with respect, for they are always ready to ignite — all they need is a static spark, electrical arc or other source of ignition.

Here are a few tips that will make your home and garden fire-safe.

- Place your outdoor cooking equipment on a non-combustible base if at all possible and keep it away from materials that will ignite readily.
- Clear a 10-foot area around propane tanks and the barbecue.
- Place a screen or other type of cover over the grill — use non-flammable material with mesh no coarser than a quarter of an inch.
- When dumping ashes, put them in a metal bucket and either soak in water or let stand for several days before disposing of them.
- Remove leaves and rubbish from around and under wooden decks or porches, beneath windows or next to vehicles.
- Rake up leaves, dead limbs and twigs. Remove dead branches that extend over the roof. Prune tree branches and shrubs within 15 feet of a stovepipe or chimney outlet.
- Mow grass regularly.
- Store gasoline, oily rags and other flammable materials in approved safety cans. Place cans in a safe location away from the base of buildings.
- Regularly clean roofs and gutters.
- Inspect chimneys at least twice a year. Clean them at least once a year. Keep the dampers in good working order. Equip chimneys and stovepipes with an approved spark arrester.
- Use half-inch mesh screen beneath porches, decks, floor areas and the home itself. Also screen openings to floors, roof and attic.
- Check your smoke detectors to make sure the batteries are fresh and check your fire extinguishers to make sure they are still charged. ♦



Spring cleanup makes this Hanford location safer.

Hands-on training given at ALARA Center

To support the implementation of the amendment to 10 CFR 835, "Occupational Radiation Protection," the ALARA Center of Technology is conducting training on radiological containment installation, inspection and certification.

The focus of the training is intense, hands-on instruction for workers and radiological control technicians. As part of the course, students install and certify containment on mockups that simulate actual work conditions. This adds realism and exposes the students to various types of containment designs and radioactive liquid collection facilities.

Some basic work techniques are also taught and practiced. These include glove installation and change-out, pass-out sleeve installation and change-out, and safely passing items into and out of the containment using the sleeving.

The examination for the course is conducted by adding water to the installed mockup to verify that the water-tight seals installed by the students are correct.

"The class was great!" said Chuck Compestine, a senior RCT for the River Corridor Project. "It definitely applied to my job. I highly recommend it."

Jerry Eby and Larry Waggoner, the course instructors, have more than 72 years of combined experience in design, installation, removal and work practices for radiological containments in Naval shipyards and Department of Energy radiological sites. Waggoner and Eby provide many lessons they've learned from the "school of hard knocks."

Other training courses on intermediate and advanced contamination control techniques are being considered. Depending on the projects' needs, these courses would stress decontamination, containment removal, use and removal of double sets of protective clothing, use of HEPA-filtered ventilation and other advanced radiological work practices.

To schedule containment training, send e-mail to Jerald Eby. Class size is limited to six students because of the practical hands-on nature of the training. The course is free of charge. ♦



Students in the "Occupational Radiation Protection" class at the ALARA Center of Technology inspect materials (top) and then install and work with containment glove-bags.

Microsoft Office 2000 available on site tomorrow

After a pilot project of several months, the Fluor Hanford Chief Information Officer and Lockheed Martin Services will make Microsoft Office 2000 available tomorrow, April 25. While Office 2000 has changed minimally from Office 97, there are subtle differences that will show real productivity gains in day-to-day use.

E-mail and calendar functions improved significantly in Outlook 2000, which now offers contact distribution lists, improved e-mail filtering for handling the growth of e-mail messages and a number of efficiencies in ease of scheduling.

Here are just a few of the new features or improvements in the Microsoft Office 2000 family:

Outlook

- You can manage your inbox easily and efficiently using the “Find” and “Organize” tools.
- The “Folder Most Recently Used” (MRU) list is for users who share calendars or other folders. Outlook now keeps a list of the last 10 opened folders in the “File, Open” submenu for quick access. For ease of use, you can put an icon on one of the toolbars.
- You can easily save your own or someone else’s calendar as a Web page.
- You can add and delete specific members from a meeting and send only those people meeting notices.
- There are improved calendar printing functions in Outlook 2000.

Office

- The “Install on First Use” feature allows you to install only a base set of features on users’ machines, and if a feature that isn’t installed is used, it will install automatically from the network. This will save disk space for those not needing all the features on first use.
- Self-repairing files and a new Help feature are included. If a necessary file is accidentally deleted or becomes corrupted, the Office installer will automatically restore it.
- HTML (Web format) is included as a companion file format.
- Office 2000 includes a free-floating “Office Assistant,” and the ability to *completely* turn off the assistant if desired.
- The “Send To Mail Recipient (as message)” capability allows you to instantly send a Word or Excel document or a PowerPoint slide as an e-mail message.

Continued on page 18

Word

- When creating tables, you can now insert a row above or below your cursor, or a column to either the right or left.
- You can now put top and bottom margins in the cells of a table instead of having to build space above or below into your paragraph style.

PowerPoint

- There are new layout capabilities. The default layout is frame-oriented with the text of the slides on the left and a graphic view on the right, making it much easier to edit and organize your slides.

Hardware requirements

Office 2000 has a larger footprint than Office 97. To run it, you should have at least a 166-megahertz Pentium processor with 64 megabytes of RAM. It performs best on Windows 98, but in the pilot program LMSI was able to satisfactorily install and run it on Windows 95 machines. The space requirements are at least 300 megabytes of free disk space, but even more than that is better.

For more information about installing Office 2000 on your computer, read about it on the Office 2000 Web site, <http://www.rl.gov/mso2k>.

Compatibility issues

Office 2000 provides many added features, and because the look and feel of the product are similar to the existing Office 97, the learning curve of the new product is reduced.

Except for Access, Office 2000 applications are “backward compatible” to Office 97. This means that if you create a document in Word 2000, you can send it to someone who has Word 97 and they will be able to open it, edit it and return it.

As for Access 2000, the format has changed and it is not backward compatible. To allow an Access 97 user to open the Access 2000 database, you must first convert it using available tools. Because Access 97 is widely used on site for application development, the upgrade installation process will remove Word 97, Excel 97 and PowerPoint 97, but will not remove Access 97. If you know that you use an Access 97 application developed by LMSI Systems Development and Integration or by your own group, talk to the technical support person for that application before installing Office 2000. (More compatibility issues are referenced on the Web site.)

Continued on page 19

Support services

The basic Office 2000 products — Outlook, Word, Excel, PowerPoint and Access — will be fully supported by the LMSI Solution Center (Customer Technical Support at 376-1234). You can also find information on training sessions on the Microsoft Office 2000 Web site.

Three other Microsoft products will be available from Software Distribution, but will not be supported at the “standard” products level. These products — Publisher 2000, Photo-Draw 2000 and FrontPage 2000 — are “non-supported” standards and will be supported on a time and materials basis. You will be asked for a charge code when calling CTS. Look for more information on the Web site.

Installing Office 2000

When it becomes available tomorrow, Office 2000 will be in Software Distribution in the Desktop Applications category. If your computer is capable and you have the disk space required, you will be able to run the installation program. ♦

Visit Expo 2000

The Health and Safety Exposition (Expo 2000) will be held at the Trade, Recreation, and Agricultural Center (TRAC) in Pasco on May 2, 3 and 4. TRAC will be full of exhibits and demonstrations related to the topics of safety and health of employees and their families, both on and off the job.

The hours for Expo 2000 are: May 2, noon to 8 p.m.; May 3, 7 a.m. to 7 p.m.; and May 4, 7:30 a.m. to 6 p.m.

Every employee is welcome to attend. Check with your manager about how to charge the time you spend at Expo 2000. Groups that would like a tour of Expo should check in at the information booth at the entrance of TRAC.

The exhibits will cover a wide range of topics including ergonomics, robotics, water safety, boat safety, health and fitness, previous Hanford worker health, assistance for the blind, first aid and preventive health maintenance. Fire extinguisher operation demonstrations and K-9 bomb location demonstrations will be presented in the Atrium area of TRAC.

For more information about Expo 2000, call Cliff Ledford at 373-5214, Janette Pettet at 376-2884 or Tracey O’Neal at 376-8990. ♦

Tuesday, May 2

- | | |
|-----------|--------------------------------------|
| 12 p.m. | Forklift Rodeo (preliminary round) |
| 1 p.m. | Vehicle Accident Demonstration |
| 2 p.m. | Forklift Rodeo (preliminary round) |
| 3:30 p.m. | NW MedStar
(helicopter ambulance) |
| 6:30 p.m. | NW MedStar (helicopter ambulance) |

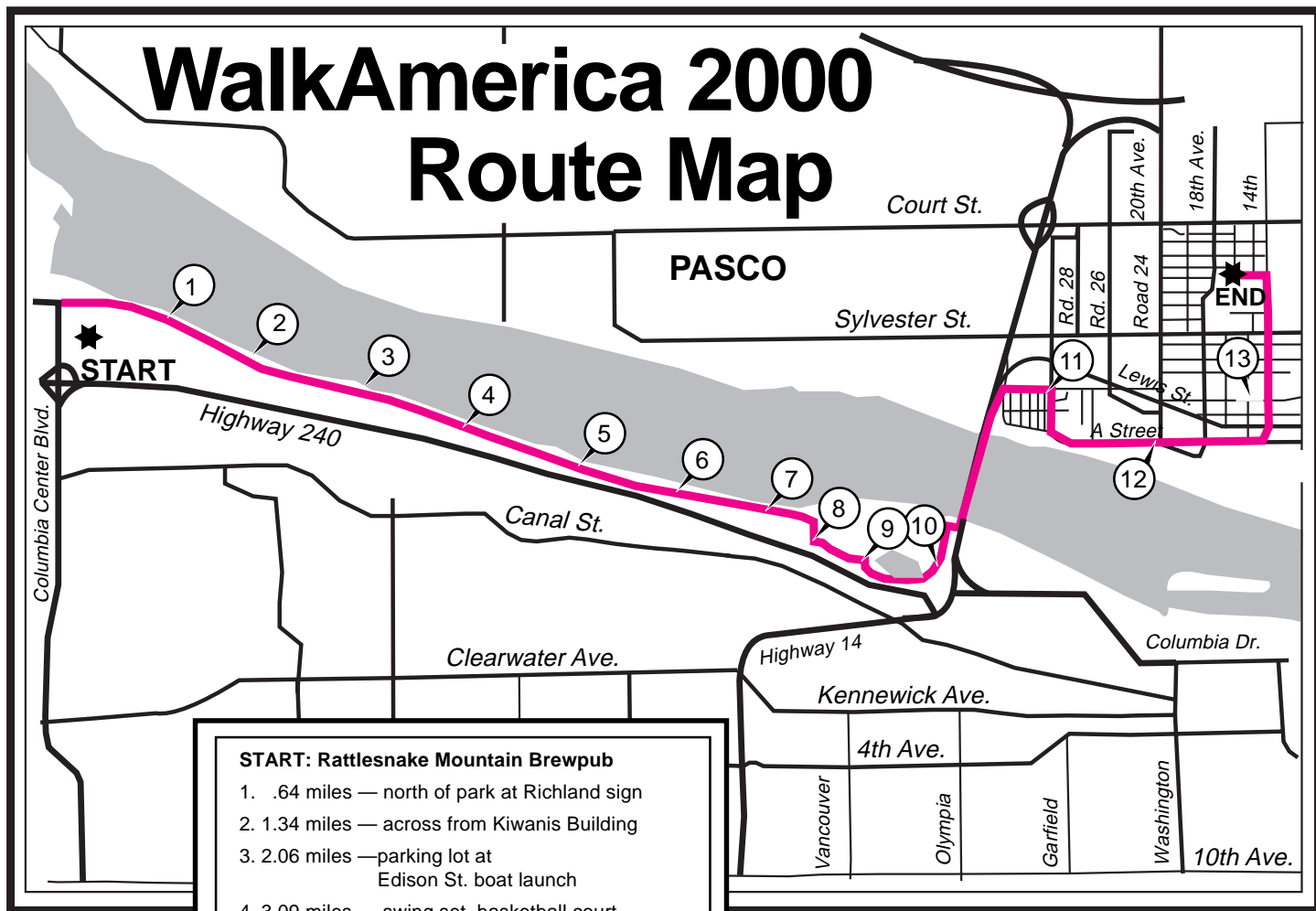
Wednesday, May 3

- | | |
|------------|-------------------------------------|
| 10 a.m. | Vehicle Accident Demonstration |
| 11 a.m. | Forklift Rodeo (preliminary rounds) |
| 12:30 p.m. | Vehicle Accident Demonstration |
| 1:30 p.m. | Forklift Rodeo (preliminary rounds) |
| 3 p.m. | NW MedStar (helicopter ambulance) |
| 5:30 p.m. | NW MedStar (helicopter ambulance) |

Thursday, May 4

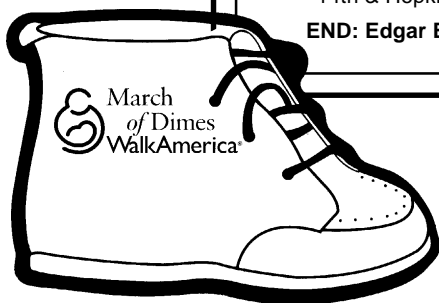
- | | |
|---------|-----------------------------------|
| 10 a.m. | Vehicle Accident Demonstration |
| 11 a.m. | Forklift Rodeo (final round) |
| 1 p.m. | Vehicle Accident Demonstration |
| 4 p.m. | NW MedStar (helicopter ambulance) |

WalkAmerica 2000 Route Map



ATTENTION MARCH OF DIMES WALKERS!

WalkAmerica begins at 8 a.m. on April 29 at the Rattlesnake Mountain Brewpub at the intersection of Columbia Drive and Columbia Center Boulevard. If you haven't submitted your registration, you may do so at the Brewpub beginning at 7 a.m. The walk ends 7.5 miles later in Pasco at the Edgar Brown Stadium. Because there is no transportation to return walkers to Richland, plan on carpooling with your walking buddies. You may decide to leave a car parked at the Edgar Brown Stadium area for the end of the walk and one at the old Smith's furniture store lot in Richland at the beginning of the walk. For walkers who may not be able to manage the full 7.5-mile walk along the river and across the blue bridge, the Wonderwalk will take place at Edgar Brown Stadium, where the young and the young at heart may walk around the track at the stadium. Registration for the Wonderwalk begins at 8:15 a.m. at the stadium.



Aerobic metabolism: energy with oxygen

Mention the word “aerobic,” and most of us think of a form of exercise. In fact, “aerobic” describes a type of metabolism, the process by which your body breaks down or “burns” stored fuel to create energy.

Your body can create energy in one of two ways: aerobically (with direct oxygen) or anaerobically (without direct oxygen). For short bursts of energy, as in weightlifting, your body uses the anaerobic process, but for continuous activity, as in steady jogging, it uses the aerobic process.

Energy and aerobics

Our bodies draw energy from the food we eat (which is stored in the body as fat and in the muscles as glycogen). The bloodstream carries oxygen to cells throughout the body, where it transforms the stored fat into energy. You can think of food as fuel and oxygen as the match that releases that energy. The more energy you demand, the more oxygen you will need to release it. The process of using oxygenated blood to directly release energy is called aerobic metabolism.

Improving the body’s ability to process and deliver oxygen can improve stamina in sports and in any activity. To do this, you need to strengthen and condition your heart—the muscle that pumps oxygen-rich blood to the rest of your body. Like any muscle, the heart can grow stronger and more efficient by progressive “training,” in which demand (in this case, oxygen demand) is gradually increased. The normal unconditioned heart pumps approximately 70 times a minute or about 100,000 beats a day. The well-conditioned heart conserves energy. It can supply oxygen-rich blood to the body with only about half the usual effort, or 58,000 beats a day.

Aerobic exercise

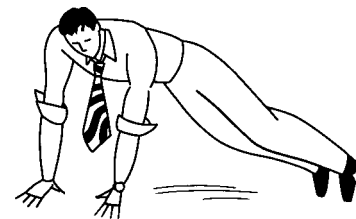
Aerobic exercise progressively places increased demands on the heart, causing it to grow stronger and more efficient. These activities involve a steady, continuous motion of the large muscle groups and place a large and continuous energy demand on the heart. Aerobic activities — walking, running, swimming, bicycling or dancing — should be intensive enough to raise and sustain your heartbeat to its target heart range (THR) for 20 to 30 minutes.

A target heart range is defined as 60 to 85 percent of maximum capacity. To calculate your THR, subtract your age from 220 and multiply your answer by 0.6 and by 0.85. The two figures represent your safest range of heartbeats per minutes during exercise. For optimum benefits, exercise within your THR for at least 20 minutes at least three times a week.

Aerobic energy

To get the competitive edge in sports and to improve overall stamina and endurance, aerobic fitness is crucial. Combined with anaerobic muscle conditioning and stretching exercises, aerobics are a key part of any total fitness plan. The more oxygen you can process, the more energy you can put out. When you think of aerobics, think energy!

For more information on the benefits of physical activity, call the Hanford Environmental Health Foundation’s Health Education Services at 373-3729. ♦



Regular Features



LETTERS

Employees are invited to write letters of general interest on work-related topics. Anonymous letters will not be printed. We reserve the right to edit letters or not to accept letters for publication. Send your letters to the *Reach*, B3-30, or to *Hanford Reach on e-mail. Letters are limited to 300 words, and must include your name, company, work group and location. Opinions expressed are those of the author and not of DOE-RL, ORP or their contractors.

Correction

I recently received a copy of the March 20 *Hanford Reach* in a very indirect way (it was used as packing in a box of human resource materials!) and I noticed something I would like to call to your attention. In the story, "Oak Ridge reps view PFP criticality safety program," the two visitors, Carrol and Robinson, are identified twice as being from Oak Ridge National Laboratory.

Actually, they are not from ORNL. They are from the Y-12 Plant. These are two separate facilities, with highly different missions, and run now by two separate contractors (University of Tennessee-Battelle for ORNL and Lockheed Martin for Y-12). Y-12, in fact, has never been an ORNL facility. They are located about six miles apart.

Calling them "Oak Ridge reps," as you did in the headline, would be correct, however. Y-12 and ORNL (and the former K-25) are all subsets of DOE at Oak Ridge.

Lumping Y-12 and ORNL together is a mistake a lot of people have and will continue to make, and we don't expect the world to know or even care about the difference, but we try to clarify it when we can, especially with our DOE compatriots. Even the Secretary of Energy has gotten it mixed up at times.

Bill Cabage

Employee Communications

Oak Ridge National Laboratory

Editors' note: We stand corrected.



CALENDAR

Future of technical communication is topic of STC meeting

The Society for Technical Communications will meet April 26 at 6 p.m. in the Snoqualmie Conference Room of Battelle's EESB Building. Judith Ramey, professor at the University of Washington's Department of Technical Communication, will speak on the future of technical communication. Technical, medical, science and business writers and editors, as well as graphic artists, publishers, printers and Web-site developers are invited to attend. There is no charge to attend the meeting and presentation. For more information visit <http://www.pnl.gov/stc/> or call Nancy Foote at 375-6403.

Manager of the Year nominations close this week

Manager of the Year nominations are being accepted by the Hanford Chapter of the National Management Association through Thursday, April 27. Guidelines, nomination forms and a nomination example are available on the NMA Hanford Chapter Web page, <http://www.nma1.org/chapters/395/>, or by contacting Calvin Dudley at 373-6267 or Connie Eckard at 373-9314.

INCOSE to meet at Richland Library

The Tri-Cities Chapter of the International Council on Systems Engineering (INCOSE) will meet at the Richland Library's Gallery Room at 5:30 p.m. on Thursday, April 27. R. Sam Alessi, Ph.D., will give a presentation on "Responsive Constructionist Requirements Inquiry," about eliciting requirements directly through interpersonal contact with customers and stakeholders.

ARMA meeting set for April 27

The Columbia Basin Chapter of the Association of Records Managers and Administrators will meet April 27 at the Richland Best Western Tower Inn. Social hour begins at 5 p.m. with dinner at 5:30. Pat Lacy, director of medical records at Kadlec Medical Center, will speak about the planning and implementation of an electronic patient records system. Dinner costs \$15.25. For reservations, call Judie Reed at 376-6922 by noon on April 25.

Continued on page 23

Regular Features

Cancer Center auction to be held at Founder's Club

The Tri-Cities Cancer Center Foundation Boots and Bucks Round-Up Auction will be held Friday, May 5, at the Founder's Club in the Tri-Cities Coliseum. The event will begin at 6 p.m. with hors d'oeuvres, entertainment and a silent auction. The live auction will begin at 7:30. The cost is \$35 per person and western wear is the attire for the evening. Call 737-3413 by April 25 to make your reservation.

AQP local chapter to meet May 9

The May 9 dinner meeting of the local chapter of the Association for Quality and Participation (AQP) will feature Rico Yingling, director of operations for Da Vinci Gourmet, Seattle. The topic is "From Vision to Results: Making it Happen." Yingling is past site manager for Borden Chemical in Kent, Wash. The meeting will be held at the Shilo Inn, with networking at 5 p.m., buffet dinner at 6 and the presentation at 7. The dinner costs \$16 for AQP members, \$19 for non-members, or \$5 for the presentation only. Call 375-4773 or send an e-mail message to cburr@3-cities.com to make your reservation by May 4. For more information visit <http://www.3-cities.com/~gates/AQPQuest.htm>.

American Red Cross blood drive coming to HAMMER

The American Red Cross will hold a blood drive on May 10 from 9 a.m. to 2:30 p.m. at the Volpentest HAMMER Training and Education Center in the Training Support Building Vehicle Bay. Contact Libby Sickler at 376-7117 for more information or to schedule an appointment.

Publisher will speak at NAPM meeting May 17

Scott Fivash, president and publisher of *Washington CEO* magazine, will be the featured speaker at the National Association of Purchasing Management - Columbia Basin meeting on May 17 at Cavanaugh's at Columbia Center in Kennewick. The social hour starts at 5 p.m., dinner starts at 6 and Fivash will begin his presentation at 6:30. Attendance is open to interested members of the business community. Advanced reservations are required and the cost for dinner is \$14. Contact Lonnie O'Neal at 754-5035 to make a reservation. For more information about the program and NAPM-CB activities, visit the Web site at www.mltweb.com/napm/napmcb.htm.

N Reactor groups to hold reunion

The seventh annual reunion for UNC/100N/K/300 Area Fuels and N Reactor-associated groups will begin at 3:30

p.m. on May 19 at Jackson's in Richland. For more information call Joyce LoParco at 373-2317 or 582-6994, Sherry Foreman at 943-5934 or Paul Vinther at 943-1747.

Hot Hoops tournament to benefit SARC

The seventh annual Hot Hoops 3-on-3 basketball tournament will be held June 10 and 11 in Richland. Proceeds will benefit the education and crisis programs at the Sexual Assault Response Center. Deadline for signing up to participate is May 20. To sign up to play, or to volunteer, call SARC at 946-2377. ♦

**Scheduled to re-open,
July 2000**

**HEHF 200 West Area
Health Care Center**

Services are still
available at the
200 East Health Care
Center until the
completion of the
200 West remodel.

Office hours are
7:30 a.m. to 4 p.m.

Regular Features

CLASSES



CBC Small Business Development Center offers:

- **Small Business Accounting Basics** – May 2, 3 and 4, 6-9 p.m. Cost: \$35. Instructor: Don Smith, CPA. The class will be held at the Energy Northwest Multipurpose Room.
- **Small Business Tax Accounting** – May 9 or June 7, 6-10 p.m. Cost: \$35. Instructor: Don Smith, CPA. The class will be held at the Energy Northwest Multipurpose Room.
- **Small Business Commercial Site Selection** – May 16 and 17, 6-9 p.m. Cost: \$35. Instructor: Gayle Moore-Stack, CCIM, CPMR. The class will be held at the Energy Northwest Multipurpose Room.
- **Small Business Financial Management** – May 23, 24 and 25, 6-9 p.m. Cost: \$35. Instructor: Glynn Lamberson. The class will be held at the Energy Northwest Multipurpose Room.
- **Small Business Advertising Basics** – May 20 or June 3, 9 a.m.-12 p.m. Cost: \$15. Instructor: Blake Escudier. The class will be held at the TRIDEC Conference Room.
- **Small Business Planning Basics** – May 31, 9 a.m.-12 p.m. Cost: \$15. Instructor: Blake Escudier. The class will be held at the TRIDEC Conference Room.

The TRIDEC Conference Room is located at 901 N. Colorado, Kennewick. The Energy Northwest Multipurpose Room is located at 3000 George Washington Way, Richland. To register or obtain more information, call Ritzy Rafer at 735-6222.

Protrain Professional Training Systems offers:

- **Database Management in Excel 97** – April 26, Cost: \$99
- **Crystal Reports Introduction** – April 27 and May 18. Cost: \$215
- **Crystal Reports Advanced** – April 28 and May 19. Cost: \$215

Enroll in both classes for \$398.

- **Upgrading to Word 2000** – May 17. Cost: \$99
- **Upgrading to Excel 2000** – May 30. Cost: \$99

Enroll in both classes for \$179.

- **Project Management** – May 31 through June 2. Cost: \$759.

Call 946-1123 for more information.

Meetings on MBA and technology master's programs

Washington State University Tri-Cities Business Department and the WSU Yakima Learning Center will be hosting information sessions in May to describe the WSU master's of business administration program.

Dr. David Lemak, MBA program coordinator, will explain the MBA program, the requirements for admission and the benefits this program has for residents of the Tri-Cities, Yakima and surrounding areas. The MBA program features a nationally recognized faculty, local classes available at times designed to meet the needs of both full-time and part-time students, affordable education with financial aid available and a focus on practical managerial skills. It is accredited by the International Association for Management Education.

Information on the master's of technology management, the first graduate degree in the Pacific Northwest specifically designed to educate corporate managers to become leaders in technology management, will also be presented at the meeting in the Tri-Cities. This meeting will be held May 1 from 6 to 7 p.m. at Cavanaugh's, 1101 N. Columbia Center Blvd. in Kennewick. Contact Wanda Walters at 372-7360 for more information.

The meeting in Yakima will be held May 3 from 6 to 7 p.m. at the Yakima County Courthouse, 128 N. 2nd St., Room 232. Contact Rena Kohler at 509-574-1600 for more information. ♦

Regular Features



H.anford **E**.mployee **R**.ecreation **O**.rganization

HANFORD RECREATION ASSOCIATION (HRA) DISCOUNTS — Check the HRA listing weekly! New vendors are added continually on the Hanford Intranet Web site. To reach the site, click on “Project Hanford Management Contractors,” “General Information,” “Hanford Information” and then “Hanford Recreation Discounts.” A new Web page is under construction... stand by for further instructions!

THE RICHLAND PLAYERS DISCOUNT TICKETS — Discounts of \$1 for individual shows and \$4 for season tickets offered to all Hanford Recreation Association (HRA) cardholders. HRA cards must be presented at the box office to receive discounts.

DISCOUNTED CARMIKE MOVIE TICKETS — \$4.50 each with a limit of six per purchase. Restrictions will apply only to Sony DDS movies. A disclaimer for restricted movies will be noted in the *Tri-City Herald* Carmike announcements. Send checks made payable to “HERO” to Michelle Brown-Palmore (A7-51), Linda Sheehan (T4-40), Nancy Zeuge (X3-56) or Patti Boothe (T6-04).

DISCOUNTED REGAL MOVIE TICKETS — \$4 each with a limit of six per purchase. Send checks made payable to “HERO” to Michelle Brown-Palmore (A7-51), Linda Sheehan (T4-40), Nancy Zeuge (X3-56) or Patti Boothe (T6-04).

DISCOUNTED MERCY MOVIE TICKETS — \$5 each with a limit of six per purchase. Tickets will be honored at all Yakima Mercy theaters with no restrictions. Send checks made payable to “HERO” to Flu Garza, T4-01.

TRI-CITIES À LA CARTE FESTIVAL — May 19, 5-10 p.m. and May 20, 12 noon-10 p.m. at the Pasco DoubleTree Hotel. Enjoy sampling regionally produced specialty and gourmet foods, Washington state wines, microbrews and coffees surrounded by fine art and continuous live musical entertainment featuring jazz, swing, classic guitar, flute and piano! Save \$3 on admission by purchasing HERO discounted tickets at \$12 each per day. Admission fee includes a souvenir wineglass. Script, sold at the door in 50-cent increments, can be used for wine and food sampling. Must be 21 years old or older to attend. Send checks made payable to “À La Carte” to Leann Messinger at T5-05.

SPIRIT OF PUGET SOUND LUNCHEON CRUISE — July 8. \$54 pp. Only 10 spaces remain! Round-trip luxury coach to Seattle/Pier 70. Venture aboard Seattle's most entertaining harbor cruise ship for a sumptuous luncheon with a musical revue performed by the Spirit's staff while enjoying a delightful two-hour cruise of Elliot Bay. The cruise features a close-up look at Puget Sound's rugged shoreline, the largest tugboat fleet in America, and one of the country's most colorful lighthouses. Homeward bound, we'll stop at the North Bend Factory Outlet Mall for a two-hour shopping spree. The \$54 non-refundable fee is due by May 15. Send e-mail to Laurie Franklin.

MILLENNIUM TRAVEL/TRIP PACKAGES:

- **Cabo San Lucas** — Oct. 18-25. \$809 ppdo and \$767 ppto. Price includes round-trip air from Seattle, seven nights lodging at Posada Real San Lucas, hotel taxes, round-trip transfers and a guest welcoming party. The hotel is located on the beach in San Jose del Cabo. All rooms are air-conditioned and have an ocean view. Send e-mail to Denise Prior.

- **Mexican Riviera Cruise** — Nov. 19-26. Come with us and spend Thanksgiving aboard Carnival's “Elation” as we sail the Mexican Riviera. The rates for this fantastic holiday cruise are \$1,025 ppdo for Category 4, inside cabins, and \$1,157 ppdo for Category 6, ocean view cabins. Price includes round-trip airfare from Seattle, seven-night cruise, round-trip transfers from airport to pier, all meals and entertainment on board, a welcome-aboard cocktail party and much, much more. Port charges are an additional \$139.75 pp. A \$300 pp deposit is required by June 20 to reserve the cabin category of your choice. Special third- and fourth-guest rates are available. Send e-mail to Donna Leech.

More information will appear in the *Reach* and on the Hanford Intranet Web site as details develop and additional trips are offered. ♦

Regular Features

B R A V O



Hanford NMA chapter names Warner member of the year

In a rare move, the National Management Association Hanford Chapter recognized a past winner as its 2000 member of the year. John Warner, Fluor Hanford Training Team member, was recognized during the April 12 meeting at the Richland Best Western Tower Inn. Warner also received the honor in 1997.



Warner

Warner has distinguished himself for a broad range of service to the chapter this year. His spirited efforts were forward-looking and reflected energy, quality, innovation, communication and fun. With eight months to go in the administrative year, Warner stepped in and assumed chapter responsibilities as vice president of Programs and Operations.

As a teacher, mentor and coach, he provides counsel and advice throughout the chapter. Warner promotes the recognition of those who support chapter activities.

Warner chaired this year's nominating committee. As a committee member the last three years, he has helped find and develop some of the best talent for the chapter's leadership. He led the way in developing the Hanford chapter Web site, considered among the best in the nation.

Warner's passion is professional development, and this year he is completing NMA's certified manager program.

He is also very active in a variety of community activities. As a member of the board of The Arc of Tri-Cities, Warner has involved other NMA members in horseback riding for youngsters who are developmentally disabled. ♦

N E W S B R I E F S



PNNL and INEEL sponsor northwest states' economic conference

The Pacific Northwest National Laboratory is teaming with Idaho National Engineering and Environmental Laboratory to sponsor a regional conference on economic growth in five Northwest states. "Linking Regional Resources - Advancing the Northwest Economy through Science and Technology" will be held at Seattle's Bell Harbor Conference Center April 30-May 2. Energy Secretary Bill Richardson is scheduled to give the keynote address at a luncheon on May 1.

Leaders and elected officials from Alaska, Idaho, Montana, Oregon and Washington will share what is working well within the information technology, biotechnology, extractive industries, agriculture and food processing technology and forest products sectors, as well as current problems and challenges appearing on the horizon.

For more information on the conference, including an early agenda, access the conference Web site at <http://www.pnl.gov/lrr>.

Have Plant Mail pick up your used envelopes

Is your stack of used plant mail envelopes growing faster than you can use them? Are these envelopes overtaking your office space? Here is a solution: bundle up the excess, address the bundle to Plant Mail, G3-00 and put the bundle out for the plant mail pick-up.

Fish tagging crew needed for salmon

A crew of six to eight people over the age of 16 is needed to assist the Washington Department of Fish and Wildlife in tagging 200,000 juvenile wild fall Chinook salmon at the old Hanford townsite at the Hanford Reach of the Columbia River. No prior experience is necessary. Wages are \$7+ per hour. The approximate starting date for the job is May 31, but the project could start as early as May 23. The project duration is up to 12 consecutive days. For more information, contact Jeff Fryer of the Columbia River Inter-Tribal Fish Commission at 503-731-1266 or at fryj@critfc.org. ♦

Regular Features



VAN POOLS

Vanpool ads are run for two weeks. Ads must be resubmitted to run in subsequent issues of the *Hanford Reach*. The deadline for submissions is Thursday, 10 days prior to publication.

Protection Technology Hanford reminds employees to wear their badges. Vanpool and carpool drivers are responsible for ensuring riders are badged. If a passenger forgets his or her badge, Patrol must be informed at the barricades. For more information, look on the Hanford Web in the Projects and Activities section, Safeguards and Security (PHMC) at <http://www.rl.gov:1050/sas/pg1v3htm>.

KENNEWICK

8x9 vanpool from Kennewick to 200E needs riders. Picks up at Kennewick Albertson's and Federal Building. Stops at side/back of 2750-E and 2704-HV. Contact **John** at 373-1207. 4/17

Starting new vanpool from Kennewick Fred Meyer and Albertson's to the 200W Area. Contact **Fred Smithson** at 372-3306 or 582-9683 or smithson@gte.net. 4/17

RICHLAND

Vanpool originates at Albertson's on Gage (near Meadow Springs), travels through Hills West, stops at Bookwalter's Park 'n Ride, travels to 200E, stops at 2750-E and surrounding buildings, then MO-286 area and 2074-HV. Standard 8x9 schedule. Call **Brenda** at 373-9370. 4/24

WEST RICHLAND

8x9 Van No. 80 from West Richland to 200E needs riders. Starts from East Lattin Road, picks up in Hayden Village and Bird Hill. Stops at 2750-E, MO-276, 2101-M, MO-724 and 2704-HV. For more information, call **Geri Kopp** at 376-7775. 4/17 ♦



WORKING SOLUTIONS

Ahhh, those wonderful days of summer...

Time to check out WSI's online newsletter packets (age specific) and virtual information fair, "Summer: Fun, Family & Community." The topics are summer camps, volunteer opportunities for kids, family activities and community information. Visit www.working-solutions.com and enter your group plan PIN No. 5161.

So you don't have access to the Web? You can also get the free summer information packets by:

- Calling WSI at 800-358-8515 (this number can also be used to talk to a WSI counselor to get a free personalized summer camp search or talk about any work or life issue)
- E-mailing this completed form to articles@wsi-or.com
- Faxing this form to 206-362-8081.

YES! Please send me a FREE copy of the summer activities packets indicated below:

Child's age

- | | |
|-------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> 2 1/2 to 4 years | <input type="checkbox"/> 10 to 13 years |
| <input type="checkbox"/> 5 to 9 years | <input type="checkbox"/> 14 to 18 years |

Name _____

E-mail _____

Home Address _____ City _____

State _____ Zip _____

Home Phone _____

Work Phone _____

Employer _____

Worksite _____

Working Solutions, Inc. provides free and confidential services for employees and their family members.